THE STANDARD

INSIDE

Alabama Board of Licensure for Professional Engineers and Land Surveyors

P.O. Box 304451 | Montgomery, Alabama 36130-4451 | www.bels.alabama.gov

BELS

ALABAMA BOARD FOR ENGINEERS & LAND SURVEYORS

ISSUE NO. 5

BOARD INFORMATION

- BELS is comprised of seven members representing the professions of engineering and land surveying and two selected to represent the general public at large.
- All members are vetted by specific nominating committees. The committees submit a list of three names to the Governor who will make the appointment.
- Board meetings are held every two months beginning in January and are open to the public.

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THE STANDARD is a publication of the Alabama Board of Licensure for Professional Engineers and Land Surveyors. Digital editions will be posted on our website and linked on our social media pages. To subscribe, email griffin.pritchard@bels.alabama.gov

INSPIRATIONAL WORDS

"Never under estimate the power of dreams and the influence of the human spirit. We are all the same in this notion: The potential for greatness resides within each of us."

Wilma Rudolph / *U.S. Olympian*

Inside The Designing Mind

Choosing to make an impact

This issue of **The STANDARD** is special; not just because it publishes on the precipice of Black History Month, but it provides us an opportunity to recognize those within our licensee community who are often in the minority of a profession that has for years been dominated by a certain type of individual.

According to information from the website ID Tech: "Members of racial and ethnic minority groups are projected to become the majority of America's population in the next 30 years. Today, however, they account for just 28 percent of America's STEM workforce."

Innovations and measures are in place to change the number and bring the profession into an existence where the workforce reflects the different voices, colors and insights of the country.

Change is the idea going forward, but the wheels wouldn't have been put in place without the work of minority individuals like George Washington Carver, born a slave only to become one of the most highly regarded botanists of his day and a landmark historical figure within the state of Alabama, going on to help Booker T. Washington bring the Tuskegee Institute to prominence. One of the stories that you will read in this edition focuses on a Carver student, R.R. Bell, Jr., who went on to become the first licensed (then-registered) African-American Professional Land Surveyor in the state of Alabama.

But it's not just their contributions we want to celebrate within these pages. The legacy of African-American engineers is built on the shoulders of individuals like Alan Emtage, who has been defined as the great great grandfather of Google; Shirley Ann Jackson, a physicist who was the first woman to receive a doctorate from MIT in any field; Mae Jemison, an Alabama native who holds honorary doctorates in multiple sciences, is a dancer, and is also the first African-American to be inducted into the National Space Hall of Fame.

But these are just a handful of key contributors to the STEM workforce. The best though, as they say, is yet to come as 65 percent of next generation jobs and disciplines have yet to even be created.

To quote the great Eleanor Roosevelt: "The future belongs to those who believe in the beauty of their dreams."

THE COVER -- The "Great Space Race" was won using a mixture of intelligence, daring and the drive of purpose-filled engineers. In this edition, you will meet a handful of engineers who share those qualities. Also, prominent Alabamians who used their engineering ingenuity to make an impact on the world around them.

Griffin Pritchard
Public Information Specialist
334-242-5568 (Main Number)
griffin.pritchard@bels.alabama.gov

NEED A SPEAKER?

We cover a myriad of PDH / CEU topics:

- Ethics
- Case Studies
- Marketing your State Agency

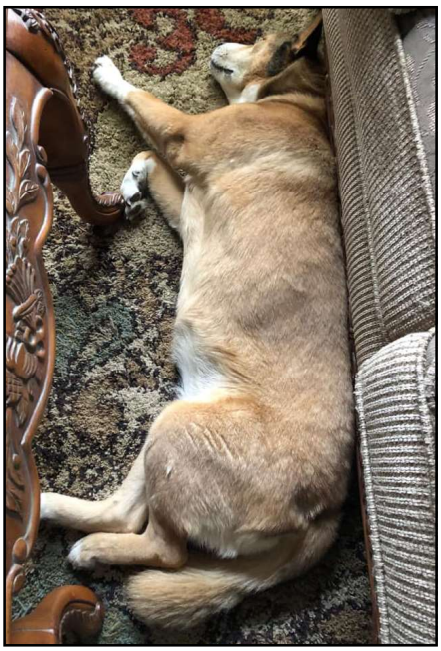
Please contact Public Information Specialist Griffin Pritchard to make your request. He can be reached via email at: griffin.pritchard@bels.alabama.gov.

our MISSION

The Alabama Board of Licensure for Professional Engineers and Land Surveyors was established by legislative action in 1935. Its charter is to protect the public by helping to safeguard life, health, and property, and to promote the public welfare by providing for the licensing and regulation of persons in the practices of engineering and land surveying. This purpose is achieved through the establishment of minimum qualifications for entry into the professions of engineering and land surveying, through the adoption of rules defining and delineating unlawful or unethical conduct, and through discipline for those individuals or entities who violate the applicable laws or rules.

COMMUNITY NEWS

PROFESSIONAL PETS



FROM TIME TO TIME WE WILL USE OUR SOCIAL MEDIA PAGES AS A WAY TO BETTER INTERACT WITH THE MEMBERS OF OUR LICENSEE COMMUNITY.

IN JANUARY, WE ASKED OUR MEMBERS TO SHOW US THEIR PROFESSIONAL PETS AND THE RESPONSES DID NOT DISAPPOINT.

BE SURE TO FOLLOW US ON FACEBOOK AND TWITTER AS WE ARE CONTINUALLY POSTING AND ENCOURAGING ENGAGEMENT FROM MEMBERS OF OUR LICENSEE COMMUNITY.

THE PETS -- (Starting at the top left and going across) were submitted by Kerry Madigan, Marcus Givan, Lee Y. Greene, Jr., Sarah Yeldell and Griffin Pritchard.

SEND US YOUR PHOTOS & IDEAS

Part of building this publication is the desire to tell the successes and stories of our licensee community. With that said, we encourage our stakeholders to send us pictures of work-related successes; be it an award, an accomplishment, a project that was finished ahead of schedule or one that's been quite taxing to finish. Items for the COMMUNITY NEWS section can be sent to griffin.pritchard@bels.alabama.gov.

Following the revamp of our website, we have also made a commitment to keep content on our social media feeds (Facebook: Alabama Board of Licensure for Professional Engineers and Land Surveyors / Twitter @bels382) fresh and engaging. One of the keys to success is the help of our community. Join us every Thursday at 9:05 a.m. for our Facebook Lives where we discuss a myriad of topics. If you have trends or profession-related items you would like to see written or talked about let us know.

COMMUNITY NEWS

FUTURE CITY COMPETITION GOES VIRTUAL

Part of the alure of the Future City Competition, is the ability to create and adapt to a challenge. Given the current pandemic and protective measures, it was the event's organizers that were forced to create and adapt.

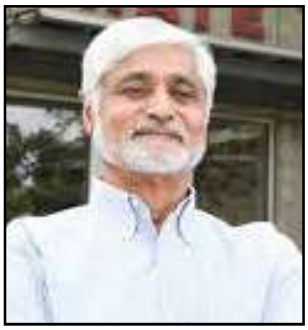
According to event coordinator Sonya Dillard in an email: "The National Future City Program has deemed it necessary to ensure the safety of all students involved and mandated that all Regional Competitions be held virtually."

The Alabama Regional Planning Committee has teamed with Auburn University to host the virtual competition for the Future City Competition's 20th anniversary.

The Alabama Regional Future City Competition is a state-wide, project-based learning experience where students in 6th, 7th, and 8th grade imagine, design, and build cities of the future.

Students work as a team with an educator and engineer mentor to plan cities using SimCity™ software; research and write solutions to an engineering problem; build tabletop scale models with recycled materials; and present their ideas before judges and other local attendees.

BHATE RECOGNIZED FOR BUSINESS LONGEVITY



The Birmingham-based publication Iron City Ink, in October, celebrated the 45 years of work Uday Bhate has put in as a member of the Magic City's business community.

Bhate, who is a native of Mombai, India, earned his Master's in engineering at the Georgia Institute of Technology and moved to Birmingham in 1973. According to the article: "He was transferred here by his Atlanta-based employer."

But, he arrived "with no preconceived notions."

Two years later, in 1975, Bhate founded his own firrm (Bhate Geosciences Corporation) and currently running his company from his own building on Fifth Avenue South. From humble beginnings, BHATE the company, has now expanded to a staff of nearly 100 and offices in Alabama, Florida and Mississippi.

In that time, he's also worked on a multitude of projects. Presently his to-do list includes Protective Stadium and Legacy Arena at the Birmingham-Jefferson Civic Complex.

Professional Alabama Engineers talk careers, representation and the future growth of STEM

By Griffin Pritchard |
BELS Public Information Specialist

Pages 4-7

The career-launching website Indeed.com lists engineering as one of its most sought-after fields of employment and collegians will add to that the profession is one of the most popular degree tracks across the board. According to an American Society of Engineering Educators report from 2018 "393 institutions in the U.S. awarded engineering degrees to 622,502 full-time students."

While ASEE reports that number to be trending upwards, another statistic rising focuses on the number of minorities within those disciplines. Dating back to 2016, the National Center for Sciences and Engineering Statistics reports that "22 percent of all science and engineering bachelor's degrees and nine percent of all master's degrees" awarded to under-represented minorities has shown a slight increase since 1996.

All of that speaks to one stat: the number of under-represented peoples within the professional ranks are growing, changing the image of the engineer for the future.

Three examples of that change are prominent within the Alabama Licensee Community: Shunna Cannon, Reggie Murchison and Milton Davis.

"I've been working for over 40 years," Murchison, who works as the Manager of Metering Services at Alabama Power Company, said in an email. "I have tried to be a role model for all engineers I have worked with or even been associated with. I have been a mentor to many and have worked diligently through my involvement with professional engineer societies and state university to increase the number of minorities in engineering and help them to be successful. I'm encouraged to see the growth of minorities in the STEM arena and hope that I have been able to contribute to this growth."

What Murchison, and in turn Cannon and Davis, have been doing within their communities respectively falls in line with an article published in July by David Martini, President of the National Society of Professional Engineers.

"As professional engineers and leaders within our communities, we are committed to applying our talents and knowledge to make the world a better place for all," he wrote in the July edition of PE Magazine. "The events we are witnessing make us painfully aware of the work that remains to be done to address the root causes of this societal ill and heal its wounds, and underline

the imperative, as a profession, of putting our house in order."

While the numbers seem to be moving up and down depending on the year, the idea of finally "putting the profession's house in order" seems to be widely accepted.

Quoting Cannon, who serves as President of the Alabama Society of Professional Engineers: "it is my hope to instill a spirit of perseverance and ingenuity toward continuous learning and outreach among existing and prospective members."

So how do you accomplish this now that it seems the profession is embracing this cultural change to be more inclusive?

The most simplistic idea is to have profession leaders be reflective of the community at large. With Alabama creating a STEM Council focusing on education at an earlier age – the ability for the next generation to be even more diverse looms large.

Davis writes: "Substantive community and societal involvement develop leadership skills, interpersonal skills, organizational skills, and communication skills that are transferable in your organization. Six years ago, our CEO, Billy Harbert, was instrumental in bringing the National Society of Black Engineers' Summer Engineering Experience for Kids to Birmingham, which is a three-week summer program that introduces third thru fifth graders to the fields of engineering. As leaders within our respective companies, we need to promote diversity and find ways to increase the number of engineers."

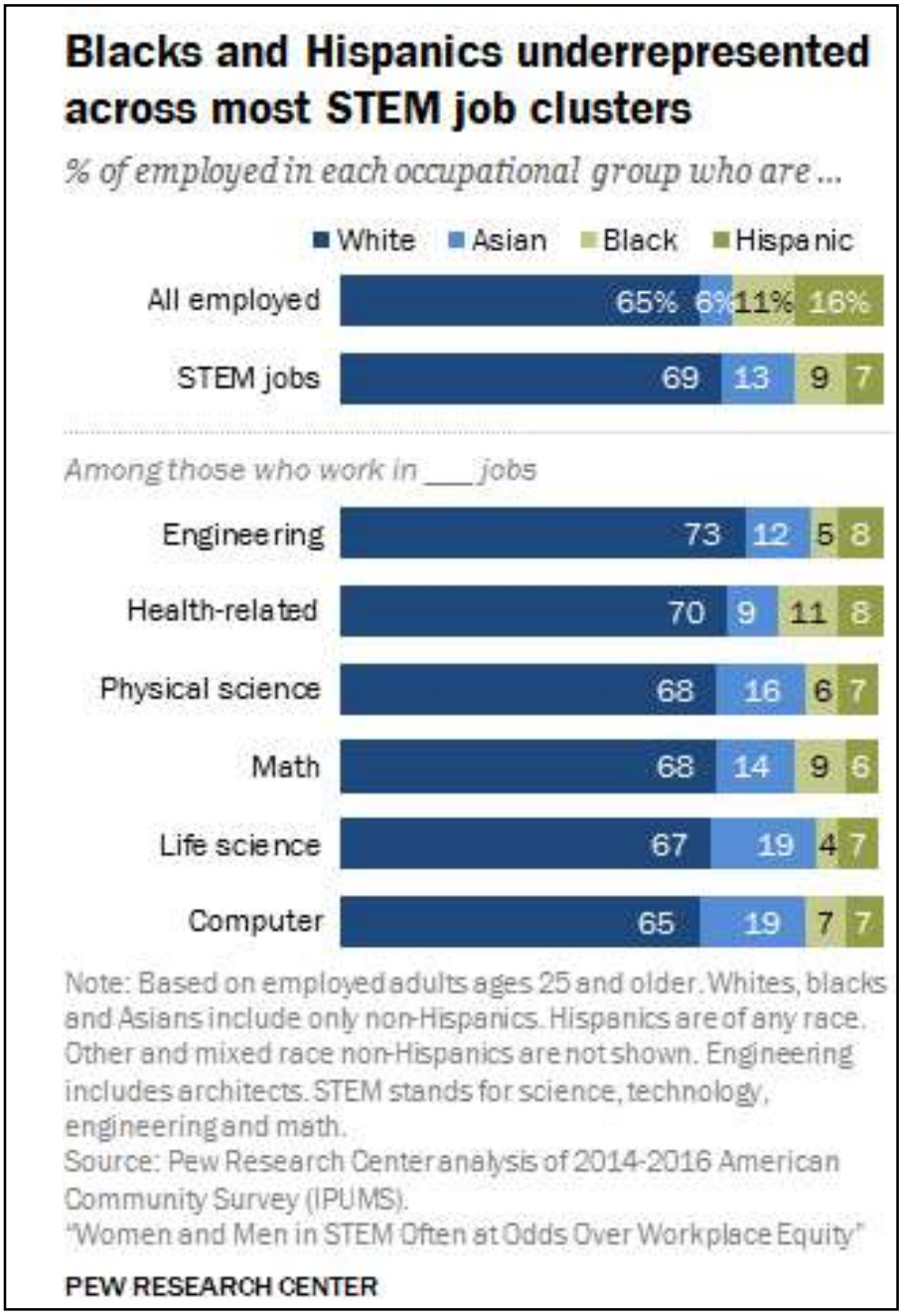
Davis, by way of introduction, serves as the Director of Business Development / Industrial Division at Birmingham-based BL Harbert International.

Derrick Dean, a PhD in the BioMechanical Engineering Department of Alabama State can add to Davis's sentiment.

"Increased diversity in the classroom will provide more perspectives and approaches to solving problems, designing new devices and developing new products," Dean said. "More diversity within the profession will also attract a more diverse student body."

In a September 2020 article written by the American Society of Mechanical Engineers it was determined that: "innovation thrives when teams find unexpected connections that were previously unseen. This kind of development requires a wide variety of perspectives and experiences."

Essentially – the things that make societal groups differ from one another could become the things that propel the profession forward.



"I FELT LIKE I BELONGED RIGHT THERE IN SPACE," JEMISON TOLD THE WEBSITE SCHOLASTIC.COM. "I REALIZED I WOULD FEEL COMFORTABLE ANYWHERE IN THE UNIVERSE, BECAUSE I BELONGED TOO AND WAS A PART OF IT, AS MUCH AS ANY STAR, PLANET, AN ASTEROID, A COMET OR NEBULA."

Alabama-born engineer Dr. Mae Jemison made history by being the first African-American Astronaut to soar into the cosmos as part of the 1992 Endeavor shuttle cruise into orbit. She is currently a professional speaker and a member of the International Space Hall of fame.

Now there are fruitive anecdotes of diverse groups joining to create something wonderful and greatly imaginative; putting people in space is just one example.

Travel back to 1935 when the National Advisory Committee for Aeronautics (the precursor of today's NASA) hired five women – African-American women at that – to be their first human computer pool. Of the hires was Katherine Johnson, featured prominently in the 2016 movie "Hidden Figures." According to an article published in 2017 from NASA: "When asked to name her greatest contribution to space exploration, Johnson talks about the calculations the helped synch Project Apollo's Lunar Lander with the moon-orbiting Command and Service Module. She also worked on the space shuttle and with Earth Resource Satellite and authored (or co-authored) 26 research reports."

Years later, Alabama's Mae Jemison became the first African-American to venture into space as part of the 1992 Endeavor crew.

Speaking to the website Scholastic.com, Jemison said: "I felt like I belonged right there in space. I realized I would feel comfortable anywhere in the universe – because I belonged to and was a part of it, as much as any star, planet, asteroid, comet or nebula."

In a 2018 article written and vetted by Pew Research Center, it found that: "Black and Hispanic workers continue to be underrepresented in the STEM workforce. Blacks make up 11 percent of the U.S. workforce overall but represent 9 percent of STEM workers, while Hispanics comprise 16 percent of the U.S. workforce but only 7 percent of all STEM workers. And among employed adults with a bachelor's degree or higher, blacks are just 7 percent and Hispanics are 6 percent of the STEM workforce."

Johnson and Jemison, along with the professionals profiled, all share a commonality: They desired to be more than and to grow their positions within the profession.

Quoting Cannon: "In recent years, I have volunteered with MATHCOUNTS, Girl Day, Girl Scouts of North Central Alabama, Alabama Power iCan Girls in Engineering, Annual McWane Center Engineering Showcase, and Girls, Inc. As a volunteer among students, I have observed the spark of curious and collaborative teambuilding and problem solving, two aspects critical to engineering research, practicality, and innovation. By example, I seek to resonate a relentless love of learning and a commitment to outreach.

Community involvement demonstrates a sincere interest and purpose towards students of all ages and genders. It is increasingly

imminent that our skills must be transferred to future generations."

As society changes, so does the profession. According to Pew, in a span of years from 1990 to 2016, the jobs involving and utilizing computers has more than quadrupled, as well as STEM jobs in general.

Of those surveyed for that article, around 4.4 million were employed as a computer-based designer or an engineer.

"I have seen technological achievements that have been breath taking," wrote Murchison. "I encourage younger engineers to embrace technology and apply their education to solve some of the tough problems in society today. In doing so, they will also have an exciting and rewarding career. There are no limits to what they can achieve."

The three – Cannon, Murchison and Davis – throughout conversations have referenced the pandemic currently gripping the world.

Davis: "The COVID-19 pandemic has forced us both individually and professionally to utilize technology more than ever before — from digital learning to virtual meetings to global collaboration in the development of a vaccine to the manufacturing of the vaccine to the distribution of the vaccine. This unfortunate pandemic should open your eyes to the importance of STEM fields and their value in public health and society's basic needs. Manufacturing efficiency, automation, and cybersecurity are challenges we faced during the pandemic. Technology alone can't alleviate the challenges. We will need young people with the right skills. Simply put, a career in the STEM field is a game-changer and can provide stability for you and your family. All it takes is discipline, focus, and a desire to succeed. Utilize every resource available to achieve your goal."

An estimation from Forbes says that 65 percent of the jobs of the future have yet to be created. Cannon has a great answer to that: "To minority STEM students, I would encourage vigor and determination towards an immeasurable quest of knowledge. I would inform these students that any negative connotations related to their minority designation should not hinder their goals and aspirations. The sky is the limit. Their journeys will, in turn, light the way for others by creating an autonomous yet transparent path towards success and destiny."

"WE WILL ALWAYS HAVE STEM WITH US. SOME THINGS WILL DROP OUT OF THE PUBLIC EYE AND WILL GO AWAY, BUT THERE WILL ALWAYS BE SCIENCE, ENGINEERING AND TECHNOLOGY. AND THERE WILL ALWAYS, ALWAYS BE MATHEMATICS."

Katherine Johnson passed away in February 2020 at the age of 101. In those years, she made history becoming the first woman in the Flight Research Division as part of the NACA (precursor to NASA). In her time at the NACA, she did trajectory analysis for Alan Shepard's 1971 Freedom 7 mission and was the subject of the movie "Hidden Figures." She was also awarded the Presidential Medal of Freedom at the age of 97 by then-President Barack Obama.

ASU students share STEM perspectives

By Griffin Pritchard |
BELS Public Information Specialist

With all the talk of professionals interacting with the next generation of engineers – it was only fair those collegians had the opportunity to talk about the profession in their own words. Emails were sent to Tuskegee University, Alabama A&M and Alabama State.

Two Hornets and a professor responded. Gelena Jones and Alexa Mathis bring a student perspective into the conversation as they are at different points in their journey. Their professor, Derrick Dean, will be joining the conversation a little further down.

What's interesting is the different reasons they chose to pursue the profession. Both are in ASU's BioMedical Engineering program. BioMedical Engineering, according to Forbes, Yahoo and various other profession-related publications, has been identified as one of a host of emerging disciplines.

"My most significant challenge was coping with incurable medical conditions that ultimately took my grandmother's life in May 2020," said Jones, a senior and also the President of the school's National Society of Black Engineers chapter, among her many other accolades. "For 20 years she fought diabetes, high blood pressure and kidney failure, in addition to nine strokes. I have attended endless hospital, doctor and rehab appointments with my family all of which resulted in unanswered questions."

The world's most recognizable Astrophysicist Neil deGrasse Tyson says of engineers: "They never stop trying to answer questions."

For that reason, Jones has a goal of working with a focus on the reconstruction of tissue to help those in similar situations to her grandmothers.

Mathis, a sophomore from Stone Mountain, GA., charted a different path as she plans to build a career in orthotics and prosthetics and is currently conducting research in tissue engineering.

"I'm a sophomore, but by the time I'm 40, I will be the founder and CEO of my own Orthotics and Prosthetics design and manufacturing company," she said with confidence. "I would like to be the primary manufacturer for hospitals across North America. My company will have a program that will increase the number of minority students in STEM careers."

Both are driven – that's obvious.

Jones said she plans to be working at her dream job of Janssen Pharmaceuticals, which is part of Johnson and Johnson. "A career at Janssen will allow me to be a part of the best pharmaceutical teams in the country," she added.

With students dreaming this big, how does the professor put them on the right path?

Cue Dean: "They have to work hard and look for opportunities for experimental learning through an internship or lab experience. If a paid opportunity is not available, consider volunteering as an investment in your career. Look for mentors who can provide some guidance and support."

Dean – who holds a PhD – adds its not just the students who have changed throughout the years: "The classroom has changed significantly with the incorporation of problem-based learning and virtual learning."

BELS LAW & ADMINISTRATIVE CODE UPDATE

Proposed Rule Changes | Public Hearing Scheduled for March 16

In January BELS notified the licensee community that the Board has submitted proposed rule changes to the Alabama Legislative Services Agency concerning the following areas:

1. **CA Renewals move from annual to biennial with the annual fee of $100 being updated to $200 to reflect the two-year nature of the license.**
2. **Adding a Structural Engineer Roster Designation capability for qualified licensees.**
3. **Adding the definition of "structural engineering."**

All the information regarding the changes can be found on the BELS website (**BELS.ALABAMA.GOV**).

In terms of a timeline of events, The proposed changes were filed with LSA January 29, 2021.

From there a 35-day clock starts that serves as a review period of sorts. Comments or requests to speak will be accepted until March 15 and should be directed to Rick Huett (rick.huett@bels.alabama.gov). The public hearing, scheduled for March 16, will follow pandemic best practices guidelines and will be held virtually. An email will be sent out with additional information.

ENFORCEMENT ACTIONS

NOVEMBER MEETING

Keith McCraney, PLS

An investigation determined that in January 2011 Keith McCraney, professional land surveyor, performed a property boundary survey of property located in Choctaw County that contained violations of the standards of practice for land surveying in Alabama. Mr. McCraney agreed to a consent order that required him to pay a $1,500 fine, and the matter to be a public record.

James A. Holman, PLS

An investigation determined that James A. Holman, professional land surveyor, provided property boundary surveys in Madison, Harvest and Brownsboro, Alabama that contained violations of the standards of practice for land surveying in Alabama. Mr. Holman agreed to a consent order that required him to pay a $1,000 fine, to pay $363 for the cost of the investigation, and the consent order and final order to be a public record.

Direct Scaffold Services

An investigation determined that in 2020 Direct Scaffold Services placed signage on its company vehicles that indicated it offered engineering services. The firm's website also contained language that included the offering of engineering services in Alabama.

The firm agreed to a consent order that required it to pay a $500 civil penalty, to pay $85 for the cost of the investigation, to remove all references to the offering of engineering services within 90 days, and the consent order and final order to be a public record.

YouTube

ONDEMAND VIEWING OPTIONS

Given that 2021 is a renewal year and individual licensees are required 30 PDH in order to renew in the State of Alabama, BELS is doing what it can to help achieve that goal. Beginning in March, visitors to the BELS YouTube channel will notice some changes. We have taken down the short QBS video and the year-plus-old ethics video.

We are currently working to create new content that will give the members of our licensee community the opportunity to garner a free ethics hour. A new ethics video will be posted "An Ethical Landscape," followed by a new Law & Code presentation focusing on Certificates of Authorization and ways to not run afoul of the Board whenever the question comes up about if a CA is needed or not. We are also going to update the existing Law & Code that's currently on the site.

EDUCATION NEWS

The University of Alabama at Birmingham has named a new Dean for its School of Engineering after conducting a nationwide search. Jeffrey W. Holmes, M.D., PhD. was selected in March. Holmes comes to the home of the Blazers after a stint at the University of Viriginia where he served as a professor of biomedical engineering and medicine and was the inaugural director of the Center for Engineering in Medicine.

Holmes, in a press release, said of UAB: "The presence of a world-class academic medical center and a vibrant local economy provide opportunities for research and educational partnerships that make an important real-world impact.

CREATING A CONSTELLATION

USA professor Dr. Saeed Latif and a group of engineering students are preparing for a space voyage, of sorts.

According to a release from the University of South Alabama, Latif and the students are "preparing to explore space with a satellite project called SWARM-EX. The plan is to launch three identical CubeSats - mini, light-weight and low cost satellites - to form a small constellation orbiting the Earth.

CAN THE BEACH BOUNCE BACK?

Drs. Brett Webb and Stephanie Smallegan are currently working on research focusing on coastal resiliency, according to a press release from the University of South Alabama. According to the release: "Many investigators are focusing their work on resilience of specific things, or infrastructure categories.

"Such a singular focus, while often necessary, fails to account for interdependancies between the dependent components of groups within a coastal community on a barrier island."

NEW LICENSEES

• PE LICENSEES

ADAM JAY WEIBLE
ADAM ROBERT MUELLER
ALEXIS ROSADO ERAZO
AMANDA ROSE NOGAY
AMAR CUMUROVIC
ANDREW GATLIN LONG
ANTHONY WARREN MILLER
ASHLEY RAY AVERY
AUDRY JAMES FERGUSON JR
BENJAMIN DAVID ZEHRER
BENJAMIN PIERCE SAWKINS
BRANDON THOMAS BELL
BRENTON ALLEN JENKINS
BRET ALAN SCHLEISSING
BRETT MICHAEL RAGSDALE
BRIAN ALLEN BARNES
BRIAN JULIEN BEAULIEU
BRYAN PAGE LINDSEY
BRYCE DANIEL CRADY
CARL RICHARD SIMPSON
CAROLINE DAWN CARDEN
CHAD ANDREW HAUGEN
CHADWICK LEE BOYEA
CHARLES ARLINGTON STUMP III
CHARLES MATTHEW VINORES
CHRISTOPHER BRENT LEHMAN
CHRISTOPHER SCOTT CRAIG
CHRISTOPHER WAYNE GRAVES
CLARENCE BARTON KEMPER III
COURTNEY HARKNESS HEARIN
COURTNEY ROBERT BERKOWITZ
CRAIG HOWARD PETERSEN
DANIEL DIAZ-LUGO
DANIEL JAMES HILLNER
DANIEL JOSEPH BAUER
DANIEL P. ALLEN
DARLENE WHATLEY DUERR
DAVID ALLEN ELLERMANN
DAVID BRIAN HOFF
DAVID EDWARD KOSNIK
DAVID JON ANDERSON
DAVID MICHAEL SMITH
DAVID W. STEWARD
DEREK MICHAEL HERRON
DONALD JAMESON PHILLIPS
DONALD W. KUNERT
DOUGLAS JAMES ELGERSMA
DUSTIN EDWARD DAVISON
ELIZABETH JOAN ANDREWS
EMILY KAY WOHLFARTH
ERIC WILLIAM DEMPSEY
FATIH SULTAN OKTEN
FRANK STEPHEN MALITS
GARY HOWARD KOBLASZ
GEORGE ALLEN BOWERS JR
GEORGE DANIEL SMITH
GREGORY ALAN YANKEY
GYU TAE PARK
HAFSAH K NAVARRO-HENRY
HARVEY HUGH HALL III
HIERONYMUS ERSKIN MITCHELL IV
HUNTER CAYDEN BROADUS
IAN AULTMAN
JACK BARRY KIRSCHENBAUM
JACKSON HELTON SMITH
JACOB HARRISON BROWN
JACOB WORTHINGTON BLAKE
JAMES CARTER NYGAARD
JAMES P. TERPENING JR
JAMES PAUL BUHRDORF
JAMES THOMAS DAVIS
JANAK THAPA
JASON EDWARD COTTOM
JASON ELWOOD SMITH
JASON ERIC SKIPLE
JASON WILLIAM CHATHAM
JAY MATTHEW AHLBRAND
JEFFREY DOYLE TURNER
JEFFREY MICHAEL MILLER
JENNIFER AMY NORLIN
JERMAINE FITZROY WILLIAMS
JOHN HENRY CRESWELL
JOHN P. BARRINGER
JOHNNY BOUASONE PHANTHALA
JONATHAN DARRELL FUSSELL
JONATHAN DISEL HINKLE
JOSEPH JOHN BERNS
JOSEPH TERRELL RUDD
JOSHUA JAMES CANOVA
JUSTIN BRANT OLSON
KENDRA MARIE SCHENK
KERRY JOSEPH JERNIGAN JR
KEVIN ROBERT SCHECK
KYLE HERBERT COMPTON
LARRY DEAN DIXON II
MALCOLM CHARLES CONLEY
MARC DAVID STUBBS
MARC PATRICK MAIER
MARC WILLIAM BACHMAN
MARK CLYDE KANONIK
MARK JOSEPH ZAJAC
MARLON RANDALL STALLINGS JR
MATTHEW AARON KRIETE
MATTHEW CALVIN BREAKS
MATTHEW DAVID KUEHN
MATTHEW SCOTT NORRELL
MATTHEW WILLIAM LEE
MD ASHRAFUL ALAM
MEHDI KHALILI
MENASSE TEKLEWOLD KUMLACHEW
MICHAEL ALAN CRESAP
MICHAEL ANDREW FICKER
MICHAEL BRYAN GODWIN
MICHAEL GLENN EILERS
MICHAEL JOHN HASEK
MICHAEL JON DRINKWATER
MICHAEL PAUL FORET
MICHAEL WILLIAM QUIGLEY
MINDY NICOLE O'NEAL
MOHAMMAD BAZZAZ
MUFUTA TSHIMANGA
NICHOLAS BRANDEN MOJICA
NOAH DANIEL MEEKS
PABLO MANUEL DIAZ
PAUL MICHAEL TOBBEN
PAYDEN ROYCE JOHNSON
PETER DAVID SCHMIDT
PIOTR PACZKOWSKI
RACHEL MARIE MOKRY
RANDALL WAYNE CARWILE
RICHARD JEFFREY GISH
RICHARD LOUIS TRAXEL
ROBERT PETER KUDLAWIEC
ROBERT PETER LUPO
ROBERT THEODORE PEET
ROBERT WILLIAM GUSTAFSON
RONALD DANIEL LEATH
RUSSELL KENT HOLEMAN
RYAN TYLER SHIPMAN
RYAN WADE DONAHUE
SAMUEL BLALOCK STANAGE
SHANE LOUIS UNICK
SHANNON RENE ORY
STEFANIE JO HOFFMAN ENGLISH
STEPHEN JOSEPH POWERS
STEVEN DEREK CINELLI
STEVEN RYAN GIBSON
SUZANNE AARTJE ELDREDGE
TAYLOR CHRISTOPHER STUMPF
TERRY WAYNE STILES
THANH CHAU NGOC TANG
THOMAS ALEXANDER HOLT JR
THOMAS JAMES HOLDEN
THOMAS SCOTT HECKMAN

NEW LICENSEES

TIMOTHY DANIEL GAUSE
TIMOTHY DANIEL MALONEY
TIMOTHY JAY CALDWELL II
TIMOTHY TODD MARTIN
TODD WALTER WHISENHUNT
TRACY LYNN PRINSLOO
TRAVIS CLAYTON COLLINS
TRAVIS WAYNE MONSALVATGE
TREVOR HIJAZI GREENBERG
TROY EVAN PERSAUD
WASEEM ANSARI
WESLEY MICHAEL MACDONALD
WILLIAM PATRICK HELMADOLLAR JR
WILLIAM S. WHITE
XINZHI DU

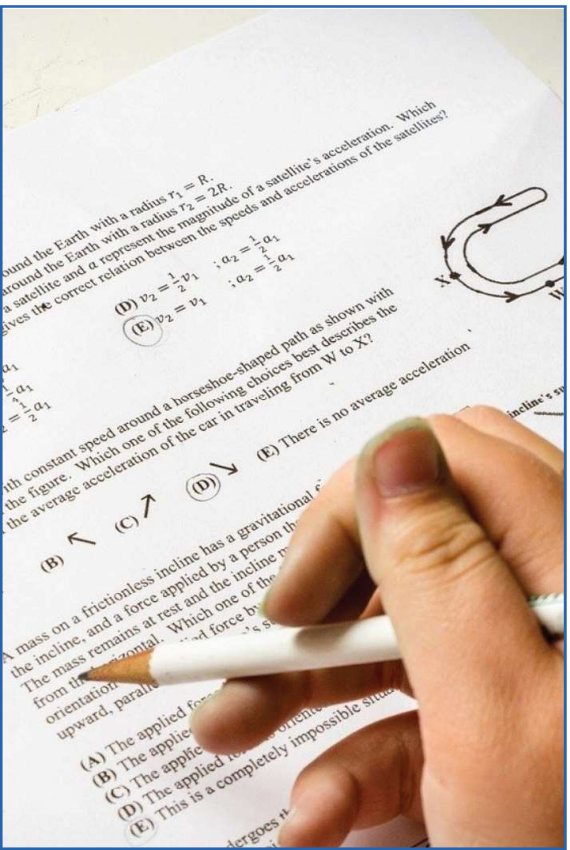
• PLS LICENSEES

DANIEL AARON OVERSTREET
DANIEL RYAN GEOGHAGAN
JEREMY WAYNE FLETCHER
WILLIAM SCOTT WILLIAMS

• ENGINEER INTERNS

ALEXANDER MCINTYRE SWADER
ANDREW LOUIS HARPER
ANDREW MARK GRAY
ANNA REBECCA YARBROUGH
ANTHONY JOSEPH MASTRANTONIO
BRADLEY MASON FISCHER
BRANDON MICHAEL MALINIEMI
BRIAR CALEB TEEL
CALEB COORS GILBERT
CAMRYN ANNETTE SWAIN
CAROLINE ANNE MCCARTY
CATHERINE TATUM CONNELL
CROSBY JACK GRAY
DALE CHESTER BRAXTON JR
EMILIE ANNE FOWLER
ERICA NICOLE DEMPSEY
EVA GRACE BARTLETT
EVAN HUNTER BEDWELL
GRAYSON RAY GILLILAND
HARVEY MADISON PRIDE II
JACOB DARRIN ZEMBOWER
JAMES JUDSON MCMICHAEL III
JOSEPH FRANKLIN SMITH III
JUHUN KIM
MARISOL SALADO
MARK F. MILLER
MARSHALL COLLEY GRIFFIN
MEREDITH RUTH GOERGEN
MILES ALLEN DEARING
OLIVIA LAUREN HORNSBY
SEENA SEYED SHOJAEE
SHAUN ALAN GREISING
TANNER ALEXANDER CLARK
TYLER WILLIAM NORMAN
WALKER HENRY HALE
ZACHARY TY DORSETT

NCEES INFO



All results from the October 2020 pencil-and-paper PE exams, including the PE Structural exam, were released to NCEES member licensing boards on December 15. How and when examinees receive their results varies by state. Some boards use NCEES Exam Administration Services to release the results directly to examinees. Some release them through another testing service such as PCS. Other boards release the results themselves. In addition, some state boards validate the results at a board meeting before they can release them to examinees.

To find out how you will receive your result, select your state (or foreign entity) and exam from the engineering webpage or log into your MyNCEES account.

Christopher Knotts, P.E., began his term as 2020–21 NCEES president at the conclusion of the organization's 99th annual business meeting in August of 2020.

A resident of Baton Rouge, Louisiana, Knotts serves as an emeritus member of the Louisiana Professional Engineering and Land Surveying Board. He replaces outgoing president Dean Ringle, P.E., P.S., of Ohio, who will remain on the NCEES board of directors as immediate past president. NCEES members elected Brian Robertson, P.E., president-elect for the 2020–21 term.

THE LAST LOOK

"Progress is impossible without change; and those who cannot change their minds, cannot change anything ... "

George Bernard Shaw / *Playwright*